

Streaked Horned Lark DRAFT Action Plan for Washington, Oregon, and BC - - 1 November 2011

Strategic Action		Tasks Synopsis	State, Province	Priority	Implementing Party
1	Determine population status, current distribution and limiting factors	1.1 Finalize standardized monitoring protocols (WA & OR) that includes comparable survey protocol for occupied sites that addresses abundance, spatial distribution, reproductive success, wintering populations and unoccupied sites.	OR, WA	7	WDFW, OSU, ODFW
		1.2 Conduct annual monitoring at occupied sites	OR, WA		
		1.3 Survey new and historic sites. Potentials: Mt. St. Helens blast zone and pumice plain, Rogue River valley, Roger's Washington townships, OR Coast, Cowlitz River, Port of Longview industrial area & coast, Regional airports	OR, WA	*	Portland Audubon, WDFW, CNLM
		1.4 Identify important habitat features			
		1.4.1 Determine the effect of habitat parameters on nest success in the Willamette Valley - 2008-10 complete, continue and include private working lands, synthesize with WA data. Continuing in 2012.	OR	4	OSU
		1.4.2 Determine attributes of high quality winter habitat, including diet - need complete data set	OR, WA	*	WDFW, OSU
		1.5 Identify threats to population viability			
		1.5.1 Determine whether contaminants are limiting hatchability of eggs or survival of nestlings	OR, WA		WDFW, OSU, USFWS, CNLM
		1.5.2 Examine genetic variability and population structuring	OR, WA		
		1.5.3 Evaluate the role of disturbance (e.g., recreation, military activities, industrial uses) including interaction with predation, on all life stages (i.e. nests, juveniles, adults).	OR, WA	13	WDFW, OSU
		1.5.4 Determine factors limiting juvenile and adult survivorship in OR & WA (e.g. predation, airstrike). Does adult and juvenile survivorship limit population growth in OR?	OR, WA	3	OSU
		1.5.5 Determine factors limiting reproductive success in Willamette Valley	OR		
		2	Protect Existing Populations and Habitat	2.1 Secure protection commitment on core occupied sites, e.g. management plans, CCA(A), mowing regime change, prescribed fire	OR, WA
2.1.1 Range-wide Airports - Corvallis, PDX, South Sound	OR				IAE, OSU, City of Corvallis, FWS, CNLM
2.1.2 MDAC in south Willamette Valley - evaluating if core site in 2012	OR				OSU, USFWS
2.1.3 Columbia River Islands - CCA with Army Corps, CCP at JBH complete	OR, WA				CNLM, USACE, FWS
2.1.4 Willamette Valley NWRs - CCP complete, mgmt plan in process	OR				USFWS NWR
2.1.5 Joint Base Lewis-McChord - ESMP	WA				JBLM, FWS
2.1.6 Washington Coast - signed CCP at Willapa that includes larks, WA State Parks (Twin Harbors, Grayland Beach), Damon Point (DNR/WDFW)	WA				FWS
2.1.7 Rivergate	OR				Port of Portland
2.1.8 Southern Willamette Valley containing small ephemeral sites	OR				
2.2 Develop land protection prioritization scheme - in process in WA & for Ag land in OR	OR, WA				ODFW, FWS, WDFW, CNLM
2.3 Support FWS WV land protection plan inclusive of measures to benefit streaked horned larks when opportunity available	OR				FWS
2.4 Identify and prioritize targets for land protection to benefit larks in WV (e.g. WA model).- Secure community level commitment	OR				
2.5 Identify existing jurisdictional authority and apply all jurisdictional codes to protect habitat	OR, WA				
2.6 Address identified threats range-wide: Initiate protection measures, reduce predator impacts, redirect recreation, airport disturbance	OR, WA				OSU, WDFW, FWS Refuges, CNLM, JBLM
2.6.1 Redirect incompatible land uses, e.g. McChord rodeo, dog trials, model airplane use	OR, WA				OSU, WDFW, FWS Refuges, CNLM, JBLM
2.6.2 Evaluate the use of nest enclosures range-wide - analysis underway	OR		CNLM, JBLM, WDFW, ODFW, OSU		
2.6.3 Determine role of climate change to streaked horned lark conservation decision making, e.g. northward expansion of prairie habitat	OR, WA				

Strategic Action	Tasks Synopsis	State, Province	Priority	Implementing Party
3	Enhance viability of extant populations and habitats	3.1 Enhance existing habitat and increase amount of available habitat in the Willamette Valley	OR	
		3.1.1 Update management prescriptions to create breeding habitat and develop winter habitat prescription in agricultural matrix	OR	OSU, USFWS, NWR, NRCS
		3.1.2 Implement habitat restoration activities on breeding and wintering grounds (e.g. Corvallis Airport, Basket Slough, Finley)	OR	8 NRCS, Private, Refuges, USFWS
		3.1.3 Implement habitat restoration activities on unoccupied sites within the breeding and wintering range (e.g. St. John's Landfill, Sauvie, Gov't island)	OR	11 City of Portland, Portland Metro, OSU, USFWS
		3.1.4 Implement habitat restoration on private lands through existing incentive programs such as CRP and WRP and GRP	OR	NRCS, CNLM
		3.1.5 Develop strategy for compatible airport and lark use, develop management guidelines specific to airports.	OR, WA	CNLM
		3.2 Attract birds to areas outside the airport runways through habitat management	OR, WA	OSU, WDFW, JBLM, CNLM
		3.3 Columbia River and Coast habitat restoration		
		3.3.1 As part of a long term plan, systematically create lark habitat by directing dredge material deposition and implementing complementary strategy to control structure-modifying vegetation.	OR, WA	6 ACOE, CNLM, Port of Portland, City of Portland, Metro, FWS
		3.3.2 Develop winter habitat management prescription	OR, WA	*
		3.3.3 Implement habitat restoration activities on breeding and wintering grounds (e.g. Damon Point, Midway Beach)	OR, WA	2 FWS, WDFW, WSP, ACOE, CNLM, WDNR
		3.3.4 (Coast) Bulldoze beach grass (use Ledbetter plover restoration HRA as demo project) -ongoing	WA	FWS, WDFW, WSP
		3.4 South Puget Sound habitat restoration		
		3.4.1 Implement habitat restoration activities on breeding ground using all available tools (e.g. herbicide, fire). Focus on invasives that change the structure of the habitat - ongoing	OR, WA	9 JBLM, CNLM
		3.5 Conduct genetic rescue (egg-swapping) aiming at stabilizing South Sound population. Evaluate success after 2 years of implementation	OR, WA	5 WDFW, ODFW, OSU, CNLM
3.6 Evaluate appropriateness and feasibility of population augmentation, relocation or reintroduction	OR, WA	10 WDFW, OSU, Oregon Zoo, CNLM		
4	Education and outreach	4.1 Conduct larks and airports workshop series - in process	OR, WA	* CNLM, Port of Portland, FWS, WDFW, regional airports
		4.2 Maintain working group and coordination	OR, WA	12 CNLM, FWS
		4.2.1 Develop STHL informational webpage	OR, WA	
		4.3 Develop education and outreach materials	OR, WA	
		4.3.1 Conduct private landowner and farm bureau field visit / lark workshop	OR	
		4.3.2 Develop materials for private land owners, particularly for degraded ag land	OR, WA	
		4.3.3 Develop materials on habitat management and restoration for land managers	OR, WA	
		4.3.4 Develop outreach programs for additional partners, promoting regional recovery and habitat management	OR, WA	
		4.4 Encourage federal & state agencies to promote incentive programs	OR, WA	WDFW, FWS